



# Flow Generator

Continuous Positive Airway Pressure device for COVID-19

## QUICK SYSTEM SET-UP GUIDE

Refer to the System User Manual for detailed set-up and usage guidelines

**NOT FOR ROUTINE CLINICAL USE WITHOUT FURTHER APPROVAL**

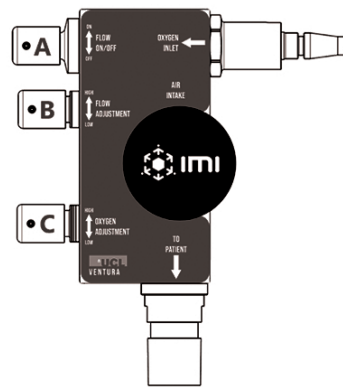
ALL HOSPITALS MUST WORK WITH THEIR OXYGEN ENGINEERING TEAMS TO ASCERTAIN THEIR VIE OUTFLOW, AND DOWNSTREAM FLOWS AND PRESSURES TO SPECIFIC WARD AREAS BEFORE DEPLOYING THIS DEVICE

This device is to be used only with the assistance of a licensed healthcare professional

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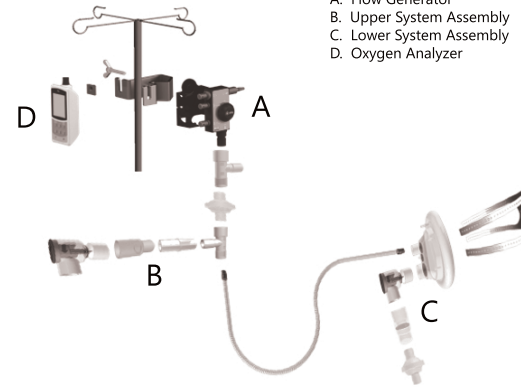
### USING THE VENTURA FLOW GENERATOR

- Turn all controls (A, B, C) OFF (clockwise) and connect the UCL-Ventura Flow Generator to the 4-bar oxygen supply directly or by using an extension hose.
- Connect the flow generator to the patient circuit as shown.
- Select 15 or 20 cmH<sub>2</sub>O safety PEEP valve and 5, 10, or 15 cmH<sub>2</sub>O patient PEEP valve. **CAUTION: The selection of the Safety PEEP valve and Patient PEEP valve should not be interchanged as this may lead to failure of the system circuit.**
- Turn the FLOW ON/OFF control knob (A) fully ON (counterclockwise) and open the FLOW ADJUSTMENT control knob (B) (3-4 complete rotations counterclockwise).
- Increase the oxygen concentration by turning the OXYGEN ADJUSTMENT control knob (C) (counterclockwise) to the desired level and paying attention to the response delay of oxygen analyzer to avoid overshooting or undershooting risk.
- Inflate or deflate the mask before putting it onto the patient and use appropriate strap to ensure a snug fit.
- Alter the FLOW ADJUSTMENT control knob (B) to ensure an optimal flow:
  - The mask outlet valve (larger port) must flutter throughout the respiratory cycle; the valve will flutter less during inspiration.
  - The blue flow flag indicator must remain horizontal or just below horizontal on inspiration and below horizontal on expiration.
  - An almost continuous flow at the exhalation filter should be felt on patient PEEP valve throughout the respiratory cycle.
- Minimal gas flow may be felt or heard from the 15 or 20 cmH<sub>2</sub>O safety PEEP valve. If excessive gas escapes causing patient discomfort, then the flow is too high and should be reduced (control B, clockwise)
- Alter the OXYGEN ADJUSTMENT control knob (C) if the oxygen concentration had changed. Set the upper and lower limit of oxygen analyzer as per medical recommendation.



**IF THE DEVICE BECOMES DAMAGED, IT SHOULD BE WITHDRAWN FROM USE.**

### System Assembly



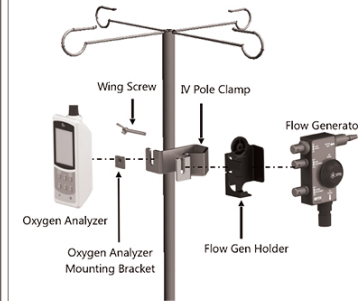
- A. Flow Generator
- B. Upper System Assembly
- C. Lower System Assembly
- D. Oxygen Analyzer

**RECOMMENDED TO BE USED WITH THE PATIENT CIRCUIT PROVIDED**

### Accessories Assembly

Reusable accessories  
Follow instructions for use

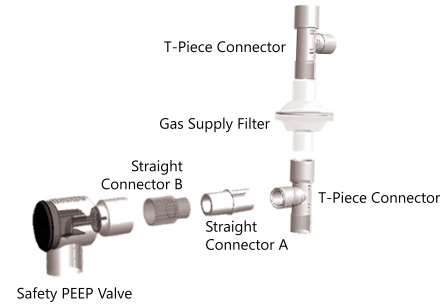
IV Pole Clamp	x1
Oxygen Analyzer Mounting Bracket	x1
Flow Gen Holder	x1
Wing Screw	x1



### Upper System Assembly

Non-sterile and single-use accessories  
Follow instructions for use

T-Piece, 22M – 22M/15F – 22F	x2
Gas Supply Filter, Bacterial and Viral 22F-22M	x1
Straight Connector A, 22F-22F	x1
Straight Connector B, 22F-30M	x1
Safety PEEP valve, fixed at 20cm H <sub>2</sub> O	x1
15cm H <sub>2</sub> O	x1

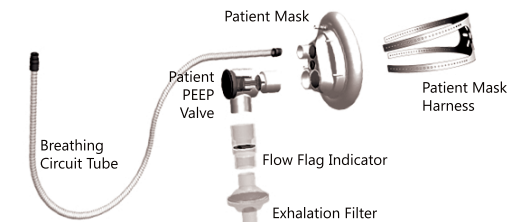


### Lower System Assembly

Non-sterile and single-use accessories  
Follow instructions for use

Patient PEEP valve, fixed at: 10 cmH <sub>2</sub> O	x1
5 cmH <sub>2</sub> O	x1
Exhalation Filter, Bacterial and Viral 22F-22M	x1
Breathing Circuit Tube, Smooth Bore 1.8m 22F-22F	x1
Flow Flag Indicator	x1
Patient Mask*, Twin-ported Adult: Medium-Large*	x1
Small*	x1
Patient Mask Harness	x1

FLOW FLAG INDICATOR (position during inspiration)	PEEP Valve Combination			
	Upper System Safety PEEP Valve	Lower System Patient PEEP Valve 15 cmH <sub>2</sub> O	Lower System Patient PEEP Valve 10 cmH <sub>2</sub> O	Lower System Patient PEEP Valve 5 cmH <sub>2</sub> O
INCREASE FLOW		✓	✓	X
CORRECT FLOW		X	✓	✓
REDUCE FLOW		X	X	✓



\* Both Medium-Large and Small sizes are included in the kit.  
Select the appropriate Patient Mask size accordingly.

**REFER TO THE SYSTEM USER MANUAL FOR DETAILED SET-UP AND USAGE GUIDELINES**